

AMETROLOG5

Evolved Piezoresistive
Pressure and Temperature
Downhole Memory Gauge



// ENHANCED ELECTRONIC PERFORMANCES

- Metal-to-metal seal for better protection of the electronic board.
- Easy -to-use gauge operated by anyone in less than 10 mins.
- Battery laterally connected avoids disconnection in operation.

// INNOVATIVE BREAKTHROUGH / BENEFITS

- Low cost memory gauge with faster temperature response.
- High temperature electronic board protected and insulated from vibration.
- 4 times redundant memories to insure a higher security of your data.
- Smart battery system displays the remaining power of your cells.

// APPLICATIONS

- For very accurate reservoir monitoring, static/dynamic gradient and build-up.
- Production testing and artificial lift control, multi-well survey without reprogramming.

Metrolog
A SERCEL BRAND

ANYWHERE • ANYTIME • EVERYTIME

AMETROLOG5

1.25" Pressure and temperature Downhole Memory Gauge

METROLOGY

| | | |
|---------------------|--|--|
| Gauge Name | AMetrolog5 | |
| Pressure | PiezoResistive Sensor | |
| Range | From atm. pressure to 1.5kpsi up to 15kpsi (Atm. to 100 up to 1000 bar) | |
| Accuracy | ± 0.05% FS | |
| Resolution | <0.05 psi (<0.003 bar) | |
| Temperature | PT100 | |
| Operating Range* | 0 to 300°F (-20 to 150°C) | |
| Accuracy | ± 0.6°F (± 0.3°C) | |
| Resolution | <0.01°F (<0.005°C) | |
| Battery type | | |
| Temperature < 150°C | AP15, P15, LP15, CP15 | |

*Calibrated range starts at ambient temperature (20°C)
Calibration down to -20°C available on demand

Mechanics

| | |
|-------------|--|
| Material | 17-4 PH sour services (H ₂ S, CO ₂ , Acid) and stainless steel. MP35N available on demand |
| OD | 1" ¼ (31.75 mm) |
| Length | 16" up to 23" (42 to 58 cm) |
| Weight | 3 to 3.5 lbs (1.5 to 1.75 kg) |
| Threads | 15/16" 10 UNS (pin up x box down) |
| Bottom nose | ¼" NPT (box) |

Computer & Software (Powered by Metrowin)

| | |
|-------------------|--|
| Programming Modes | Conventional, Advanced |
| Parameters | 1s-18h Scanning Rate, Time delay, Pressure start (Trigger, Threshold) |
| Windows | Compatible from Windows 2000 to Windows 10 |
| Connector | USB |
| Memory capacity | 4.2M data points of pressure and/or temperature |

Metrolog
1110 Av. L'Occitane, Technoparc. Bat. 2
C.S. 17619
31676 LABEGE Cedex France
Tél : (33) 5 61 34 80 74 - Fax : (33) 5 61 20 41 31
E-mail : sales@metrolog.com

Information subject to change without notice. TDSO_033_AF

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